CONGRATULATIONS. You are now the owner of one of the many fine products manufactured by Sanyo Electric Co., a world-wide leader in electronics. We take pride in our international reputation for product quality and industry proven performance.
This product has been carefully inspected to rigid quality control standards before shipment to you. We are sure you will find that with reasonable care, it will provide you with years of reliable performance.
Considering the investment you have made, we know that you will want to obtain the full performance capability engineered into your new Sanyo product. Therefore, may we recommend that you read this owner's manual thoroughly before attempting to operate this instrument.

DESCRIPTION

Combining special purpose design with the cost saving benefits of Sanyo television manufacturing, Models DM2112 and DM2212 offer impressive performance at a surprisingly low cost. With 5 x 7 dot characters as the input, 24 lines of 80 characters can be displayed with high readability. Both feature a 75 square inch viewing screen and convenient LED power indicator. A recessed carrying handle is provided for portability. Models DM2112 and DM2212 are compatible with computer systems providing a 75 ohm, 1.0 volt p-p composite video input.

FEATURES

- 75 square inch viewing screen
- Attractively styled high impact plastic cabinet
- Convenient, LED power indicator
- Crisp, high definition text and graphics display
- Recessed carrying handle

CAUTION

(1) Do not install this monitor in an excessively hot location, or in any way obstruct the ventilation holes located on the bottom and rear of the cabinet. Premature component failure or damage to the cabinet may result.
(2) When this monitor is not to be used for several day, it is advisable that the AC power cord be disconnected from the utility outlet.
(3) Some common household aerosol sprays, cleaning agents, solvents or polished may cause damage to the cabinet finish. Best results for cleaning are obtained with mild soap and water, and a soft cloth for drying.
(4) Height and vertical Linearity controls located on the rear panel are for special adjustments which should be performed only by qualified service personnel.

INSTALLATION

(1) Pick a convenient location for your new data display monitor but take care to observe the important information in the section titled "CAUTION".
(2) The power cord should be connected to a utility outlet supplying 240 VAC, 50 Hz only.
(3) Using a coaxial cable with a phonoplug at one end and the computer manufacturer's mating connector at the other, interconnect the monitor's video input with the computer's composite video output. Note: Some computers are equipped with an RF output for use with a standard TV receiver. Make no connection to this RF output as the data display monitor cannot use this type of signal for data display.

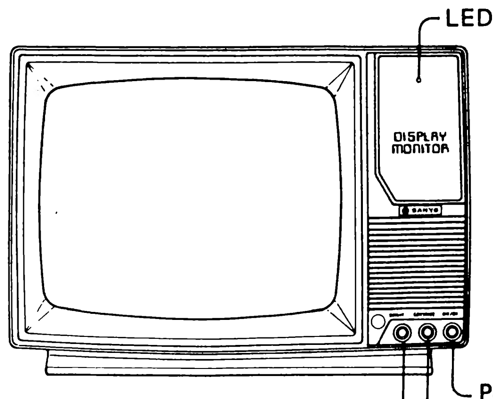
OPERATION

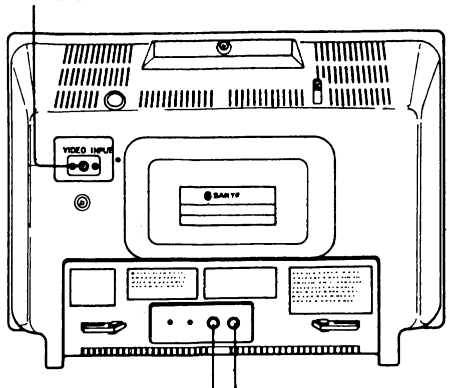
1. Install the monitor as outlined in the section titled "INSTALLATION". Be sure that a standard 1.0 volt p-p data signal is applied to the monitor's INPUT.
2. To turn the monitor on, rotate the OFF-ON switch. Observe that the LED power indicator illuminates.
3. After approximately 30 seconds, a display will appear on the monitor screen.
   Note: Models DM2112 and DM2212 feature DC restoration and the monitor screen will be black in the absence of a video signal.
4. Adjust the brightness and contrast controls to obtain optimum display quality.
5. The monitor should now be displaying bright, clear data.

MAINTENANCE

With the exception of the picture tube, Models DM2112 and DM2212 incorporate all solid state circuitry. General maintenance, therefore, will not be required. However, for optimum display clarity, it is recommended that the viewing screen be periodically wiped clean with a damp cloth.

IDENTIFICATION AND OPERATION OF CONTROLS





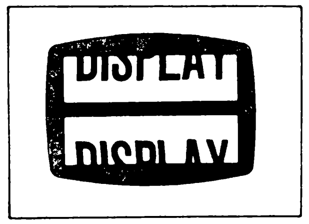
POWER ON-OFF SWITCH
Rotate control clockwise for power "ON" counterclockwise for power "OFF".

LED POWER INDICATOR
Illuminates to indicate that power is "ON".

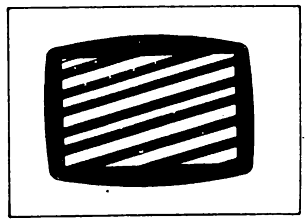
BRIGHTNESS CONTROL
This control should be used to set the display background brightness. When displaying text or graphics, the background should be set to fully black.

CONTRAST CONTROL
This control permits adjustment of the contrast between the display and its background. Use the CONTRAST control to compensate differences in room lighting.

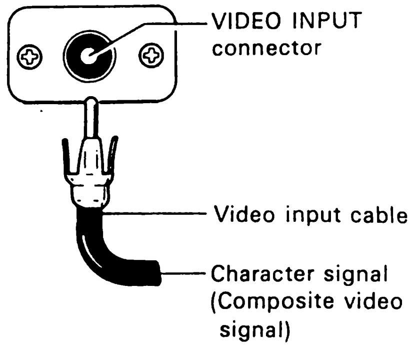
VERTICAL HOLD CONTROL
This control permits adjustment of vertical stability. In the event the picture "rolls" upward or downward as shown in the right figure, turn the VERTICAL HOLD control clockwise or counterclockwise until the picture stabilizes.



HORIZONTAL HOLD CONTROL
This control permits adjustment of horizontal stability. In the event the picture "tears" leftward or rightward as shown in the right figure, turn the HORIZONTAL HOLD control clockwise or counterclockwise until the picture stabilizes.



VIDEO INPUT CONNECTOR
This phonojack accepts the 1.0 volt p-p video data signal from the computer. Input impedance is fixed at 75 ohms. Use a coaxial cable with phonoplug for this connection.

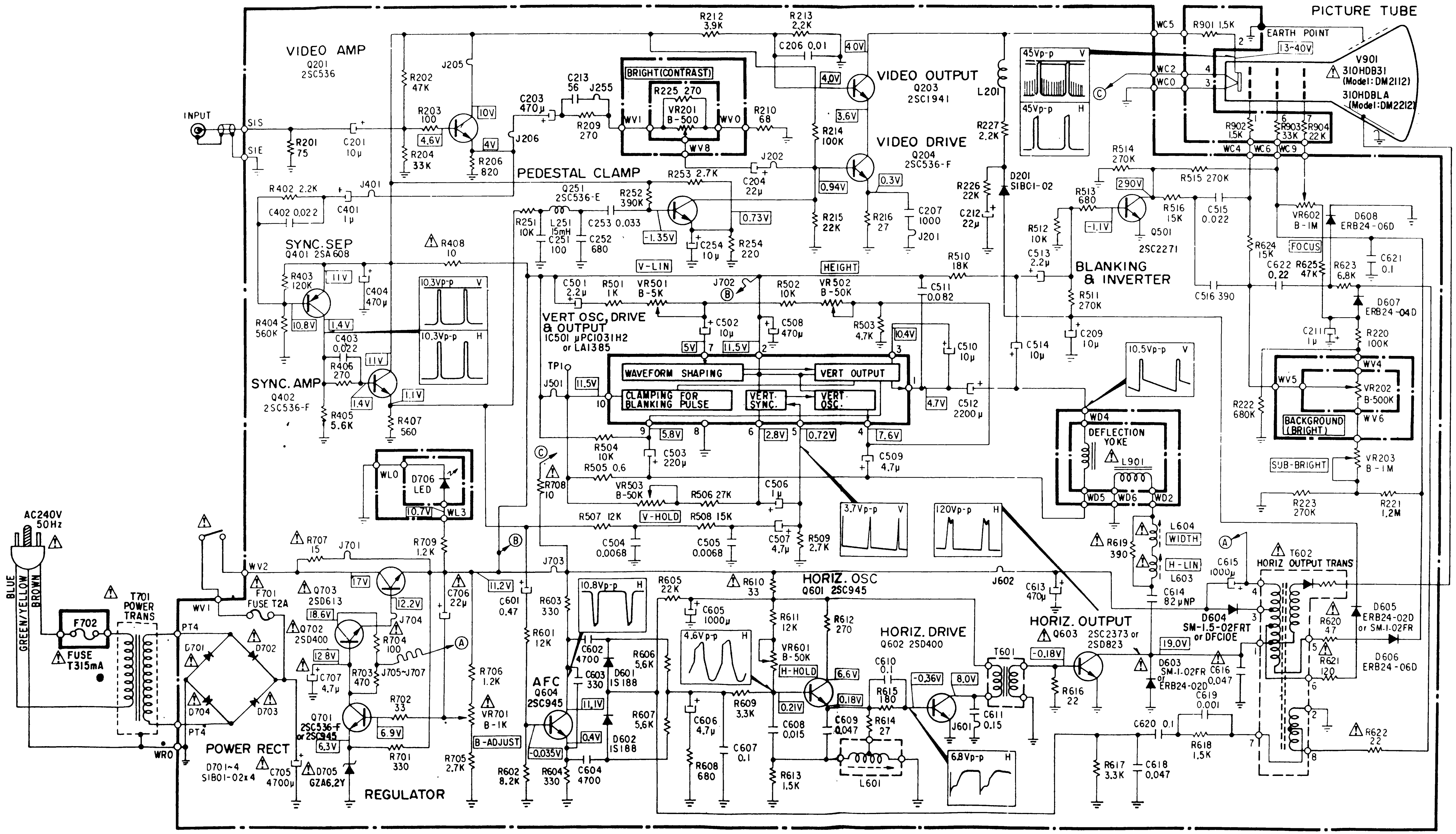


SCHEMATIC DIAGRAM

NOTES:

1. All resistance values in ohm .
   K = 1,000 M = 1,000,000
2. Unless otherwise noted in schematic diagram, all capacitors less than 1 are expressed in mfd, and the values larger than 1 are in pF.
3. Voltage reading taken with "VTVM" from point indicated to chassis ground.
4. All waveforms measured with strong signal input, contrast set to give normal picture.
5. Voltage reading may vary ±20%.
6. This is a fundamental circuit diagram. Some production changes may be made without revision of the diagram.

⚠ : For SAFETY use only equivalent replacement part.



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